

USMC Counter Radio-Controlled Improvised Explosive Device (RCIED) Electronic Warfare (CREW) 2.0 Chameleon System

System Characteristics:

TAMCN: A0096
NSN: 5865-01-555-7913
Technology: Digital
Spectrum: Classified
Orientation: N/A
Mobility: Vehicle Mounted
Power: up to 60 amps
Distance: Classified
Operational Mode: N/A
Encryption: N/A
Quantity Fielded: Approximately 4,599
AAO: 9,986



System Description: The Chameleon system is a Vehicle Mounted Active Electronic Countermeasure system (Jammer) designed to counter high and low powered Radio-Controlled Improvised Explosive Devices (RCIED). The system utilizes five (5) waveform programmable radio frequency (RF) channels. The system covers the High (HF), Very High (VHF) and Ultra High Frequency (UHF) bands.

The system consists of four major components: 1) Mobile Countermeasures (MCM) Unit, 2) Personal Digital Assistant (PDA) Remote Control, 3) Programming Laptop, and 4) Vehicle Integration Kit (VIK).

The system draws up to 60 amps of vehicle power, weighs approximately 120 lbs, and measures 25"L x 19"W x 5.25"H.

Locations:

CE: OEF
GCE: OEF
ACE: OEF
CSSE: OEF

Programmatic Information:

Manufacturer: General Dynamics Armament and Technical Products (GDATP)
Contract Vehicle: MCSC IDIQ Contract
MCSC Acquisition Status: Operations and Support Phase
P3I: NA
IOC: FY06
FOC: FY09
Fielding Plan: Completed
Unfunded Requirement: N/A

Lifecycle Configuration Control:

Initial Fielding: FY06
Quantity Fielded: Approximately 4,599
Warranty: None
Logistics Support Concept: 2 level (I and D)
Upgrades: N/A
Variations: Air and Liquid Cooled

Legacy Equipment Substitute: Warlock
Lifecycle Status: Fielded
Expected Replacement System: CREW 2.1 CVRJ
Expected Replacement Timeframe: FY09

Requirement:

Stated Need: UUNS CDTs #05208UA, 04321UA.
Operational Requirements Documentation (ORD): None

Concept of Employment: Chameleon 2.0 provides Vehicle mounted Marines a RCIED jamming device which emits radio frequencies that disrupt or jam signals needed to detonate RCIEDs. It is designed principally to support mounted Marines conducting combat operations.

Operational Impact: USMC CREW Systems continue to provide a significant operational impact by effectively countering (jamming) RCIEDs and providing protection to tactical vehicles and mounted Marines during combat operations.

Risks:

Cost: Low
Schedule: Low
Performance: Low

Status: Fielded.